

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A method of operating a wind power installation, the method comprising:

detecting a first light intensity in a region of direct light irradiation using one of at least three light sensors, the at least three light sensors are substantially uniformly spaced apart from one another about a pylon of the wind power installation;

detecting a second light intensity in a shadowed region using one of the at least three light sensors; and

shutting down the wind power installation if a difference between the first light intensity and the second light intensity is greater than a predetermined value.

2. (Previously Presented) A method according to claim 1 wherein shutting down the wind power installation includes shutting down the wind power installation only at a predetermined position of a sun.

3. (Previously Presented) A method according to claim 2 wherein the wind power installation is at least temporarily shut down at a predetermined position of the sun.

4. (Previously Presented) A method according to claim 2 wherein predetermined positions of the sun at which shutdown of the wind power installation can be triggered are stored in the wind power installation or at a control and/or data processing apparatus associated with the wind power installation.

5. (Previously Presented) A method according to claim 1, further comprising:
determining the difference between light and shadow; and
effecting an evaluation from the determined difference using a data processing program.

6. (Previously Presented) A wind power installation, comprising:
first means for detecting light intensity in a first region;
second means for detecting light intensity in a second region that is less illuminated relative to the first region;
third means for detecting light intensity in a third region; and
a data processing apparatus which controls the wind power installation and in which are stored positions of a sun or values representative thereof, wherein shutdown of the wind power installation is adapted to take place based at least in part on a comparison between the detected light intensities and the stored positions of the sun or values representative thereof.

7. (Previously Presented) The wind power installation according to claim 6 wherein a plurality of light sensors comprise the first and second means, through which respectively current intensity of light and shadow or intensity of light and shadow ascertained over a certain time is measured, and wherein data determined by the light sensors are processed by the data processing apparatus and the shutdown of the wind power installation is effected if a difference between light and shadow is above a value if a position of the sun is assumed.

8. (Previously Presented) The wind power installation according to claim 7 wherein at least three substantially uniformly spaced said sensors are arranged around the wind power installation.

9. (Previously Presented) The wind power installation according to claim 6, further comprising a display device to reproduce a status of shadow-based shutdown.

10. (Previously Presented) The wind power installation according to claim 6 wherein the data processing apparatus is programmable and adapted to store additional positions of the sun for further immission points.

11. (Previously Presented) A wind farm having a plurality of wind power installations according to claim 6.

12. (Previously Presented) A wind power installation, comprising:
a data processing apparatus which controls the wind power installation and in which are stored sun positions or values representative thereof, in respect of which shutdown of the installation is adapted to take place,

wherein the wind power installation is coupled to at least three light sensors which are arranged uniformly spaced around the wind power installation and through which respectively current intensity of light and shadow or intensity of light and shadow ascertained over a certain time is measured, and wherein the data determined by the light sensors are processed by the data processing apparatus and shutdown of the wind power installation is effected if a difference between light and shadow is above a predetermined value when a predetermined position of the sun is assumed.

13.-16. (Cancelled)

17. (Previously Presented) The wind power installation of claim 12, further comprising a display device configured to display a status of shadow-based shutdown.

18. (Previously Presented) The wind power installation of claim 12 wherein the data processing apparatus is further configured to store additional positions of the sun for additional immission points via programming.

19. (Previously Presented) The wind power installation of claim 12 wherein the wind power installation does not shutdown unless the difference between light and shadow is above the predetermined value for a predetermined duration of time.

20. (Previously Presented) The wind power installation of claim 19 wherein the predetermined duration of time is in a range of 5 minutes to 10 minutes.

21. (Previously Presented) The wind power installation of claim 12 wherein the wind power installation automatically starts if the difference between light and shadow falls below the predetermined value for a duration of time that is more than 2 minutes.

22. (Previously Presented) The wind power installation according to claim 12 wherein the wind power installation automatically starts again if the difference between light and shadow falls below the predetermined value for a duration of time in a range of 5 minutes to 10 minutes.

23. (Previously Presented) The wind power installation according to claim 12 wherein the wind power installation automatically starts again if the predetermined position of the sun has changed such that there are substantially no adverse effects due to shadow casting.

24. (Previously Presented) A wind farm having a plurality of wind power installations according to claim 12.

25.-26. (Cancelled)